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Application of model of mixture of probabilistic distributions for definition of the signals of radiophysical probing

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Abstract

© 2016, Allerton Press, Inc.The article describes a model representation of radar probing data in form of a mixture of background and target samples, which is the sum of two random variables with very different parameters. For model development we research the behavior of the central moments of the distribution mix without assuming the distribution law form. An example it is described the detection of the signal at the output of compression system of chirp ionosonde.

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